

ECS Configuration Change Request

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Page(s)

1. Originator Cherry Kenney	2. Log Date: 06/10/03	3. CCR #: 03-0413	4. Rev:	5. Tel: 301-883-4177	6. Rm #: 2071H	7. Dept. SE
8. CCR Title: TE_6A.07_HEG.01A						
9. Originator Signature/Date Cherry Kenney /s/ 06/10/03			10. Class II	11. Type: CCR	12. Need Date: 10June03	
13. Office Manager Signature/Date Carolyn Whitaker /s/ 06/10/03			14. Category of Change: Other		15. Priority: (If "Emergency" fill in Block 27). Emergency	
16. Documentation/Drawings Impacted (Review and submit checklist):			17. Schedule Impact:		18. CI(s) Affected: HEG	
19. Release Affected by this Change: 6A		20. Date due to Customer: 10June03		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: 36967, 37191, 36455, 37349, 36799						
23. Problem: (use additional Sheets if necessary) This TE delivers a fix for NCR37191, SEV5, HEG does not support MODIS SIN format. Also included are fixes for NCR36799, SEV2, Data Pool:Data Pool converter (HEG) does not correctly convert ASTER L1B products, NCR36967, SEV2, HEG Front End: Does not generate State Plane default and NCR37349, SEV2, HEG conversion errors with MISR ESDTs. One additional EDF NCR is also being delivered.						
24. Proposed Solution: (use additional sheets if necessary) Deliver TE_6A.07_HEG.01A to all DAACs.						
25. Alternate Solution: (use additional sheets if necessary) Wait until next HEG delivery.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Identified HEG problems will continue.						
27. Justification for Emergency (If Block 15 is "Emergency"): EDC DAAC does not have a way to use the HEG capabilities as promised to the science community. Users can't convert ASTER L1B data via Data Pool due to quality issues. State Plane Coordinate System capability is needed by DPL Webaccess.						
28. Site(s) Affected: <input checked="" type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:				30. Work Assigned To:		31. CCR Closed Date:
32. EDF/SCDV CCB Chair (Sign/Date): Mary Armstrong /s/ 06/10/03		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
33. M&O CCB Chair (Sign/Date): Pam Johnson /s/ 06/10/03		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
34. ECS CCB Chair (Sign/Date):		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS				

ADDITIONAL SHEET

CCR #: **Rev:** **Originator:** Cherry Kenney

Telephone: 301-883-4177 **Office:** 2071H

Title of Change: TE_6A.07_HEG.01A

Actions

ClearCase

Please make one SOL8 (sun5.8) tar file with the following package:

.EcOsHg.pkg

Please make one SOL8 (sun5.8) tar file from the 6A07EBF1 baseline for the following file:

/ecs/formal/DPL/bin/sun5.8/EcDIWaDrill.jar

Please name this tar file TE_6A.07_HEG.01A

Block 22&23 continued from page 1

ECsed36799 SEV2 EDC DAAC Data Pool converter (HEG) doesnot correctly convert ASTER L1B products
ECsed37191 SEV5 EDC DAAC HEG does not support MODIS SIN
ECsed37349 SEV2 LaRC DAAC HEG conversion errors with MISR ESDTs
ECsed36967 SEV2 EDF HEG Front End: Does not generate State Plane default
ECsed36455 SEV2 EDF HEG binaries cannot be installed in RelB modes

PATCH DEPENDENCIES --

The new HEG tool can be installed on top of any previously delivered version of HEG.

DAAC Installation Instructions:

A. PRE-INSTALLATION:

1. Un tar the first SOL8 tar file using the *Setup.ksh file and untar the second tar file using tar -xvf

B. NSTALLATION:

1. login to the host where the .EcOsHg.pkg is installed (xxdps01)

cp <staging_area>/<SOL8>/ EcDIWaDrill.jar /usr/ecs/<MODE>/CUSTOM/bin/DPL

2. cd /usr/ecs/<MODE>/CUSTOM/bin/DPL

chmod 775 EcDIWaDrill.jar

3. Install the listed package using E.A.S.I from any SUN in the system.

.EcOsHg.pkg

C. CONFIGURATION:

None

D. DATABASE:

None

E. POST-INSTALLATION:

None

IMPORTANT NOTES:

A. The HEG enhancements are the addition of 3 new projections:

State Plane Coordinate System
Lambert Azimuthal
Lambert Conic Conformal

B. Attached is the current list of ESDTs which are convertible using the Data Pool HEG.

Those marked with an * are from Appendix A of the Synergy II HEG User's Guide (Initial List of Products Tested). Those not marked with an * have been added to the list after recent testing for NCR 37191 (re MODIS SIN). In order to allow for DAAC control of whether and when these ESDTs are 'advertised' to Data Pool Web users as HEG-convertible, we are not delivering Data Pool database changes to the DIHEGLookup table nor to the convertEnabledFlag values in the DICollections table with this HEG patch. Instead, DAACs should use isql to set the convertEnabledFlag to "Y" in the DICollections table for ESDTs (i.e., ShortName/VersionId combination) that they wish to advertise as HEG-convertible. The convertEnabledFlag should NOT be set to "Y" for any ESDTs not in the attached list.

A sample isql query to set the convertEnabledFlag is below:

```
update DICollections
set convertEnabledFlag = "Y" where ShortName = "<shortname>" and VersionId = <versionid>
go
```